

CAT5 ENHANCED CABLE

25 PAIR POWER SUM

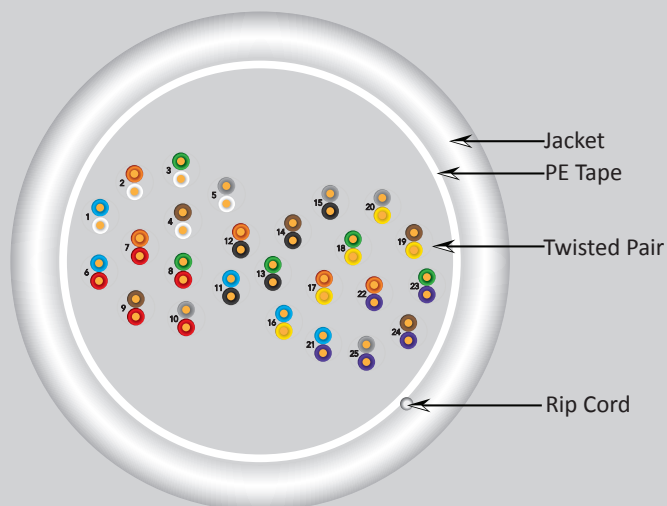


DESCRIPTION

Category-5E, UTP, 25pair, Solid Bare Copper, PVC Jacket, CMR

FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Riser Rated (CMR)
- Category-5E Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- Solid Bare Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- ETL Listed, RoHS Compliant



SKU: 054-452WH, 054-453GY, 054-454BL

Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Conductor	Soft Annealed Bare Copper
Diameter (±0.02mm)	0.50
Insulation	PE
Average Thickness (mm)	0.16
Min. Point Thickness (mm)	0.195
Insulation Diameter (±0.05mm)	0.90
Twisted Pair Diameter (±0.05)	1.80
Assembly Diameter	10.45
Contents	25 Pairs
Tape	PET
Jacket	PVC
Average Thickness (mm)	1.00
Min. Point Thickness (mm)	0.90
Outer Diameter (±0.8mm)	12.50
Rip Cord	Yes
Color	White/Gray/or/Blue
Mechanical Characteristics	
Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

Jacket Marking

VERTICAL CABLE UTP 25PR 24 AWG ETL CMR VERIFIED CAT5E 350MHZ
TIA/EIA - 568C.2 STANDARD RoHS COMPLIANT XXXFT

SEQUENTIAL FOOT MARKERS ON JACKET

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 08/2015

Specs subject to change without notice.

It is the sole responsibility of the user to have the most current specs.

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PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impedance (Ohms)	100±15
1.0-100MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	95
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max	Next (ns/100m)
0.772	19.4	1.8	67.0
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
10	25.0	6.5	50.3
16	25.0	8.2	47.3
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	42.9
62.5	21.5	17.0	38.4
100	20.1	22.0	35.3

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	DELAY Max(ns/100m)
0.772	64.0	66.0	575.0
1	62.3	63.8	570.0
4	53.3	51.7	552.0
8	48.8	45.7	546.7
10	47.3	43.8	545.4
16	44.3	39.7	543.0
20	42.8	37.7	542.0
25	41.3	35.8	541.2
31.25	39.9	33.9	540.4
62.5	35.4	27.8	538.6
100	32.3	23.8	537.6

PAIR COLORS

No.	Color of Insulation	
	A	B
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Gray
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Gray
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Gray
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Gray
21	Purple	Blue
22	Purple	Orange
23	Purple	Green
24	Purple	Brown
25	Purple	Gray

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